

Title (en)  
A METHOD AND APPARATUS FOR CONTROLLING A LOAD

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINER LAST

Title (fr)  
PROCÉDÉ ET APPAREIL DE COMMANDE D'UNE CHARGE

Publication  
**EP 3198999 A2 20170802 (EN)**

Application  
**EP 15843420 A 20150920**

Priority  
• US 201462054019 P 20140923  
• IL 2015050946 W 20150920

Abstract (en)  
[origin: WO2016046814A2] A method and apparatus for switching AC power to a lamp (or other load) via a two terminal switch device. The switch device comprises a first electrically controlled switch, such as a triac or relay, and a second electrically controlled resistance or switch connected in series to the first switch. A diode is connected in parallel to the second switch. When the first switch is open, only a leakage current is flowing through the switch device, supplied to an AC/DC converter for producing a low DC voltage to the switch device logic and other low-voltage circuits and for charging a capacitor. When the first switch is closed, the second switch is controlled to be conductive for allowing powering the lamp from the AC power. During part of a positive half-cycle of the AC voltage, a closed loop regulates a DC voltage over the second switch terminals for providing a low DC voltage for charging a capacitor. At least during a negative half-cycle of the AC voltage, the low DC voltage is provided from the capacitor.

IPC 8 full level  
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Cited by  
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**WO 2016046814 A2 20160331**; **WO 2016046814 A3 20160512**; AU 2015323349 A1 20170406; AU 2015323349 B2 20190919; CA 2961450 A1 20160331; CA 2961450 C 20230905; EP 3198999 A2 20170802; EP 3198999 A4 20180801; EP 3198999 B1 20200624; ES 2820802 T3 20210422; IL 251180 A0 20170529; IL 251180 A 20171231; SG 11201702267W A 20170427; US 2017271904 A1 20170921; US 2018233938 A1 20180816; US 9966779 B2 20180508; ZA 201702742 B 20180530

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